What would happen if there was a lot more carbon dioxide in the air? Would plants like corn and beans be able to survive and grow? Plants require oxygen, like all living organisms. They breathe in oxygen and release carbon dioxide, but when they go through a food producing process called photosynthesis, they breathe in carbon dioxide and release oxygen. Global warming is a growing concern and carbon dioxide levels rising are believed to be part of the cause. This experiment will test and see how carbon dioxide affects plant growth. Plants will be grown in two separate terrariums. In one terrarium, 6 grams of carbon dioxide will be inserted into the terrarium and sealed. The plants will grow for 21 days and then will be observed and measured to see whether the plants with excess carbon dioxide are healthier than the plants without extra carbon dioxide or not. This experiment showed that the plants with excess carbon dioxide were healthier and larger than the other plants. The beans had larger diameters in their leaves, and the corn grew taller when there was extra carbon dioxide. Plants with excess carbon dioxide were heavier. This experiment shows that excess carbon dioxide assists plants when they grow. Plants growing around areas like ethanol plants, that produce extra carbon dioxide, might benefit from growing there and increased levels of carbon dioxide levels could prove that it does have some benefits.